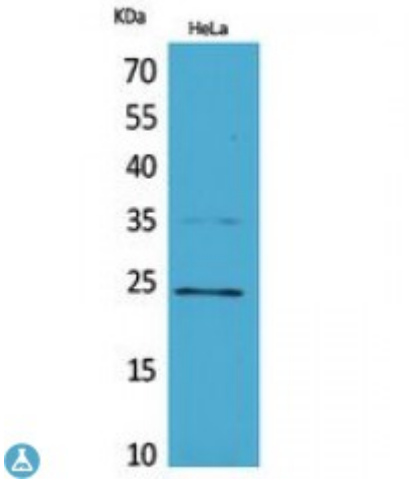
Anti-Rab 5A antibody



Description	Rabbit polyclonal to Rab 5A.

Model	STJ96821
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Rab 5A.
Immunogen Region	71-120 aa, Internal
Gene ID	5868
Gene Symbol	RAB5A
Dilution range	WB 1:500-1:2000IHC-P 1:100-1:300ELISA 1:20000
Specificity	Rab 5A Polyclonal Antibody detects endogenous levels of Rab 5A protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ras-related protein Rab-5A
Molecular Weight	24 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9783OMIM:179512
Alternative Names	Ras-related protein Rab-5A
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. RAB5A is required for the fusion of plasma membranes and early endosomes . Contributes to the regulation of filopodia extension . Required for the exosomal release of SDCBP, CD63, PDCD6IP and syndecan . Regulates maturation of apoptotic cell-containing phagosomes, probably downstream of DYN2 and PIK3C3 .
Cellular Localization	Cell membrane Early endosome membrane Melanosome Cytoplasmic vesicle Cell projection, ruffle Membrane Cytoplasm, cytosol. Cytoplasmic vesicle, phagosome membrane Endosome membrane. Enriched in stage I melanosomes . Alternates between membrane-bound and cytosolic forms (Probable).